

9th Class 2021

Biology	Group-II	Paper-I
Time: 15 Minutes	(Objective Type)	Marks: 12

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

1-1- To what category of molecules do enzymes belong?

- (a) Carbohydrates (b) Lipids
(c) Proteins ✓ (d) Nucleic acid

2- Normal pH of blood is:

- (a) 7.4 ✓ (b) 6.4
(c) 8.4 (d) 11.4

3- Fluid-mosaic model explain the structure of:

- (a) Nucleus (b) Cell wall
(c) Cytoplasm (d) Cell membrane ✓

4- Citrus fruits, green vegetables, beef liver are the source of:

- (a) Vitamin A (b) Vitamin B
(c) Vitamin C ✓ (d) Vitamin D

5- A cubic millimeter of blood contains _____ RBCs in males.

- (a) 5 - 5.5 million ✓ (b) 4 - 4.5 million
(c) 6 - 6.5 million (d) 7 - 7.5 million

6- It is the study of insects:

- (a) Entomology ✓ (b) Immunology
(c) Pharmacology (d) Socio-biology

- 7- During which phase of mitosis spindles are formed?
(a) Telophase (b) Prophase ✓
(c) Metaphase (d) Anaphase
- 8- In which biological method "if and then" logic is used?
(a) Hypothesis (b) Observations
(c) Deductions ✓ (d) Experimentation
- 9- In cellular respiration, food is oxidized to:
(a) O_2 (b) CO_2 ✓
(c) H_2 (d) Water
- 10- Crossing over was observed in the year _____.
(a) 1911 ✓ (b) 1937
(c) 1943 (d) 1951
- 11- Scientific name of house crow is:
(a) *Allium cepa* (b) *Corvus splendens* ✓
(c) *Asterias rubens* (d) *Brassica campestris*
- 12- In human, oesophagus is about _____ long.
(a) 10 cm (b) 15 cm
(c) 20 cm (d) 25 cm ✓